

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-308283

(43)Date of publication of application : 17.11.1998

(51)Int.Cl. H05B 33/22
H05B 33/10

(21)Application number : 09-341462

(71)Applicant : DENSO CORP

(22)Date of filing : 11.12.1997

(72)Inventor : SUGIURA KAZUHIKO
KATAYAMA MASAYUKI
ITO NOBUE

(30)Priority

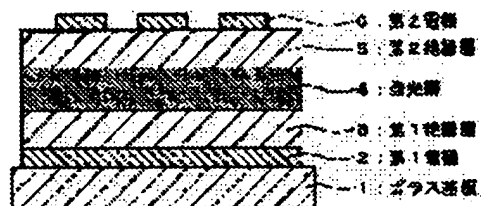
Priority number : 09 49178 Priority date : 04.03.1997 Priority country : JP

(54) EL ELEMENT AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide such an EL element with high pressure proof as being capable of reducing a pressure proof charge with a temperature change.

SOLUTION: An EL element has the first electrode 2, the first insulating layer 3, a luminous layer 4, the second insulating layer 5 and the second electrode 6 laminated in sequence on a glass substrate 1. The first insulating layer 3 and the second insulating layer 5 are formed as $\text{Al}_2\text{O}_3/\text{TiOx}:\text{Ba}$ laminated structure films by alternately laminating Al_2O_3 layers and Ba added titanium oxide ($\text{TiOx}:\text{Ba}$) layers with an atomic layer epitaxial method (an ALE method).



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]